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MT. AIRY VHF RADIO CLUB, INC., PHILADELPHIA, PA.

50.125, 144.150, 220.125, 432.110, 1296.110 MHz, W3CCX - Repeater 222.98/224.58 MHz

Affiliated Club: AMERICAN RADIO RELAY LEAGUE

Meetings:

Third Thursday of each month at 8:00 P.M.

Southampton Free Library, 947 E. Street Road

Southampton, Pennsylvania 19866

VOLUME XXV

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NUMBER 11

THE PREZ SEZ

It was great to see so many familiar faces at the regular meeting this month, both members and non-members. Great to see Randy, WB2SZK, all the way from California. Our attendance at recent meetings has been relatively good. Let's keep it up! Great program, Dave! (Our vice-president, WB2VLA).

Those of us who traveled to the QTH of KS2T, in Toms River, N.J. for the Board of Directors meeting really enjoyed ourselves. Jay and his parents were perfect hosts. I thank Jay for everything. We must do it again real soon.

Hamarama and the VHF Conference were outstanding successes. Special thanks to both Dave, W3ZD and Lee, K3MXM for providing outstanding leadership. Also, special thanks to the YL's XYL's and YF's for their outstanding support. Also, all of those Pack-Rats who turned up, worked extremely hard and made this years events the greatest ever.

Oh, we can't forget the Philmont group for their continued support with the Public Address System. Many, many thanks!

Let us all support the Fall "Sprints". Sounds like a good place to keep the "Grid Square System".

See you on the air.

73,

WA2DPU, Bill

Pack Rats CHEESE BITS is a publication of THE MT. AIRY VHF RADIO CLUB, INC. Philadelphia, Pa. and is published monthly.

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SWAP SHOP ITEMS - NO CHARGE

DEADLINE FOR ARTICLES IS THE GENERAL MEMBERSHIP MEETING: THE THIRD THURSDAY OF THE MONTH.

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W3CL, HARRY B. STEIN

MONDAY NIGHT NETS

7:30 PM - 50.125 MHZ
8:00 PM - 144.150 MHZ
8:30 PM - 222.98/224.58
8:45 PM - 220.125 MHZ
9:00 PM - 432.110 MHZ
9:30 PM - 1296.1 MHZ

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CALENDAR OF COMING EVENTS
Syllabus by Lee, K3MXX

NOVEMBER

- 3 First Automobile Show - Madison Square Garden - 1900
- 5-6 ARRL Sweepstakes - CW - see Pg. 96 October QST
- 8 ELECTION DAY
- 10 Board of Directors Meeting - QTH WA2OMY/3 - Gary Hitchner, 39 W. Mt. Kirk Ave., Norristown, Pa. 539-6409. Talk-in via Pack-Rat 220 repeater. Detailed directions bottom of page. Directors and interested parties always welcome.
- 10 ARRL VHF/UHF Sprint - 7 P.M. to 11 P.M. local time, 1296 MHz. See Pg. 98 Oct. QST - full details.
- 11 VETERAN'S DAY
- 13 RF Hill 7th Annual HAMFEST - Sellersville National Guard Armory - Sellersville, Pa.
- 16 ARRL VHF/UHF Sprint - 432 Mhz, 7 to 11 P.M.
- 17 General Club Meeting - Southampton Free Library. Topic: "Eyeball Exchange"
- The Mario Raffle, Frankie's Silent Auction, Refreshments - An open meeting to all members, radio amateurs and their friends...see how the #1 VHF Club operates... join with us for the pleasure...
- 19/20 ARRL Sweepstakes - phone - See Pg. 96 October QST
- 22 ARRL VHF/UHF Sprint - 220 MHz 7 to 11 P.M.
- 24 THANKSGIVING DAY
- 30 Birthday of 3 greats - Winston Churchill 1874, Mark Twain 1835, J. Swift 1667..
- 28 ARRL VHF/UHF Sprint - 144 MHZ 7 to 11 P.M.

Better get started on that Antenna Work - Contest time is fast coming January 14-15, 1984

If you can tell the difference between good advice and bad advice, you don't need advice.

The real objective of a committee is not to reach a decision, but to avoid one...

DIRECTIONS TO WA2OMY GARY'S QTH FOR BOARD MEETING NOVEMBER 10, 1983: From Pa. turnpike take exit to Norristown Rte. 422 West approx. 20 min. to Rte. 363 at Fairview Village. Make a left on 363 going South to Ridge Pike (1 light) make a right on Ridge Pike to Eagleville Pharmacy approx. 1/2 mile. Make a left at Pharmacy onto West Mount Kirk Ave. I am 7th house on right. Talk-in on Pack Rat Repeater or call if need more directions. 215-539-6409.

NEW PRODUCTS OF INTEREST TO HAMS

By Lyn, W3NSI

1. REGENCY SCANNERS: Seven or eight new scanners are due out this Fall from the Regency Co. A new hand held unit the HX3000 features continuous coverage of 25-550 MHz. All frequencies can be programmed from the keyboard, with up to 20 channels stored in the memory. This is the first scanner available that covers the 220 MHz band. (There goes our privacy) Both AM & FM detection are available. The MX 7000 is a base or mobile unit covering 25-1250 MHz. Front panel selection of AM, wide FM, or narrow FM, and three scanning intervals 5-12.5-25 KHz are features of this radio scheduled for late 1983 or early 1984. Price \$450 and \$600.
2. KENWOOD ULTRA-COMPACTS: The Kenwood Co. has released two new units for mobile use. The TM201A for the 2M FM band features 25 watts output FM, Memory, memory scan, programmable band scan, and priority alert. The unit covers 142-149 to hit MARS and CAP frequencies. Four digit LED readout uses high visibility yellow display of frequency. A built-in lithium battery backup holds memory when removing rig from the car. Size is only 5.6 x 1.6 x 7.2 inches. An external speaker is used and supplied along with an auto patch UP/DOWN MIC. The TM 401A covers 440-450 MHz with a power out of 12 watts FM. Other features are the same as the 201A. Price \$370.
3. DOVETRON WIDGET: This unit is about half the size of a mobile mic. Designed mainly for mobile use, the Widget is connected to the audio output of the mobile receiver. A small wire antenna is uncoiled under the dash and the autoradio is tuned to 530 KHz. The audio from the rig is rectified and used to power a miniature crystal controlled transmitter in the Widget plastic case. No battery is required. The idea here is to use the greater volume and audio quality of the BC radio. The instructions indicate that the unit can be used over a range of 50 feet or so making it possible to monitor your net on 2 or 220 on a pocket BC radio while sitting in the backyard. This was tried here with a sample unit and while it could be picked up at a range of several feet, it was not possible to receiver the 530 frequency in the next room. It may be that with more antenna wire on the Widget and with higher levels of audio out of the 220 receiver, it would be possible to cover a greater range. In any case, the unit works fine into a BC radio with the Widget under the dash of the car, which is its principle use as designed. Price \$25
Dovetron Box 267, South Pasadena, CA. 91030.

* * *

VHF/UHF REPORT

By Joe, W2EIF

The VHF/UHF Bands have been quiet during this early Fall period. The weather has been a little too warm. Good tropo usually depends upon warm day cool night conditions. We still have time for some good tropo before the cold weather sets in possibly up through mid Nov.

Don't forget the Fall Sprints sponsored by ARRL. These are excellent short contests which were popular this Spring.

There is a contest for a different band each week, so one can check out those contest rigs and prepare for the January VHF Test.

Note that the time period for the tests has been shortened. They now will run 7 to 11 P.M. local time for each contest.

They start with the highest band 1296 MHz and drops down in frequency each week until the 50 MHz test in Dec., just in time for the Fall Es season.

The rules are simple - No Repeater can be used for contacts on any band. Simplex freq. 146.52 cannot be used. There are no restrictions on 223.5 MHz. The exchange is simple - just give our your grid square. The schedule. 1296, Thurs. Nov. 10 - 432 Wed. Nov. 16, - 220 Tues. Nov. 22 - 144 Mon. Nov. 28, - 50 MHz Sun., Dec. 11.

Lets hear some activity from those rigs which have been gathering dust since last Jan.!!

SWAP SHOP

FOR SALE: Noise figure measuring equip. All type 70C w/manual. \$25. 2 mtr. ant:finco 10 el. base stn "stinger" A2-10 in sealed carton \$40.

CONTACT: Al Schnipper, W3AYJ
Phone: 215-725-2869

FOR SALE: Unarco-Rohn - self supporting tower - HDBX-48 brand new \$275 (Will swap for 100W 220 or 432 Pa.

CONTACT: John Tate, K3KTY
217 Bard Ave.
Sinking Spring, Pa. 19608
Phone: 215-670-2488

FOR SALE: KLM 14 el. 2 mtr ant. w/balun SS hdwre- gud wrkg cond. \$25. 2-KLM 220 Mhz 11 el. ants. fair cond. one w/balun; needs some work \$10@

CONTACT: John Allen, W3CXU
1119 Highland Avenue
Abington, Pa. 19001
Phone: 215-886-4109

FOR SALE: 3 foot relay rack cabinet w/ coasters 15 in. deep, 19 in wide (black finish) rear door w/3 blank panels \$45.

CONTACT: Harry Stein, W3CL
Phone: 215-887-5052

FOR SALE: Wilson 2202 SM H/T 220 Mhz 1w lo-2w hi 6 chan. installed inc. 223.5, 223.42 simplex 224.58, 224.74, 224.72, 224.62 Rpt. chanl. Unit complete w/rubber duck ant. Spkr/Mic unit--Leather case--Nicads Drop-in charger--book. Good condx. \$145.

FOR SALE: Regency TME 8H/U scanner-covers 2 bands - 144, 174 MHz & 440-470 Mhz. 8 channels - instruction manual & 8 2 mtr xtals -- 146.73, .91, .94, .97, .76, .79, 147.03, .79 radio can be used on AC or 12 VDC exc. condx. \$45.

FOR SALE: Yaesu FRG 7 rcvr - General coverage .5 to 30 MHz. AM/CW/SSB. Can be operated from 115 Vac or 12 VDC. With instruction book, like new condition. \$165.

CONTACT: Lyn Rowland, W3NSI
Phone: Phila. 215-742-7695
N.J. 201-255-5998

FOR SALE: 200 ft. 1/2 in. hard line & connectors - make offer.

CONTACT: Dick Huntzinger, W3FQD
Phone: 215-357-2960

FOR SALE: Hy gain model 66B - 6 mtr. 6 el. beam w/manual \$40

CONTACT: Gary Hitchner, WA2OMY
Phone: 215-539-6409

FOR SALE: Yaesu FRG 7700 digital gen. converage rcvr w/12 memory option \$375. Kenwood R599A ham band rcvr w/2 mtr converter & lunar dual mosfet 2 mtr. pre-amp \$150. Complete HAL rtty system: KB2100 keyboard, CT 2100 terminal, Sanyo 9 in. monitor & RS 2100 tuning scope \$500.

CONTACT: Bill Benner, W3KM
Phone: 215-224-1489

FOR SALE: Aluminum mast 6 ft., 10 ft., 12 ft., sw antenna (new), heavy guage wire, #6 or #8 200 ft. assorted radio parts, oak desk & chair, make offers.

CONTACT: Kitty
Phone: 215- ES9-3115

FOR SALE: Call me for your electronic needs.

CONTACT: Doc Cutler, K3GAS
Phone: 215-635-1078

FOR SALE OR SWAP: Collins Rcvr 51J3 (R388) 0.5 to 30.5 MHz \$195. Collins Transceiver - KWM-2A/P.S/Noise blanker/crystal pack \$685. Icom Ic-211 2 mtr. all mode transceiver & Ic-RM2 computerized remote controller \$360/\$50 - Both \$375.

CONTACT: Gus - K3GYS after 5:30 P.M.
Phone: 609-767-3628

AUDIO Cassette tapes of the '83 Mid-Atlantic States VHF Conference available!! Send \$3 for each presentation except Mike Mitnick's "Noise Figure" talk which is \$3.50

CONTACT: Al Schnipper, W3AYJ
1409 Glenview St.
Phila., Pa. 19111
Phone: 215-725-2869 for pick-up savings

* * *

ARRL BULLETIN NR 95 FROM ARRL HEADQUARTERS NEWINGTON CT OCTOBER 12, 1983 TO ALL RADIO AMATEURS
BT: The FCC issued a news release on October 7 granting the extension of amateur station and operator license terms from five to ten years, P.R. Docket No. 83 337. The renewal grace period is two years. The new license terms will be phased in as licenses come up for renewal. Details will appear in December 1983 QST AR.

VHF CONFERENCE, BY CONFERENCE CHAIRMAN, W3ZD, DAVE ZIMMERMAN

The Mid-Atlantic States VHF Conference, sponsored by the "Packrats", was held at the Warrington Motor Lodge on 1 October, 1983 as scheduled, with an attendance of over 135 interested VHFers.

The morning session was given by Bill Tynan, W3XO, VHF Editor of QST, Phil Karn, KA9Q, one of the prime-movers of AMSAT, and Bob Atkins, KA1GT, editor of the QST feature column, "The New Frontier". Bill spoke mainly on the upcoming 144MHz communications between hams and the astronaut, Owen Garriott, W5LFL, and gave some excellent tips on what may turn out to be a real accomplishment for amateur radio. Phil talked on the Oscar 10 satellite, showed some excellent slides, and presented a very clear picture of communications for the next several years with this very innovative platform. Bob Atkins spoke on 10GHz communications, discussing the propagation aspects and the details of construction of equipment using the latest technology.

Following a very tasty buffet luncheon, there was a chance to sit around the very pleasant dining room and chat on technical and a variety of other subjects.

The afternoon sessions featured Al Katz, K2UYH, Mr. Moonbounce himself, Mike Mitnick, Hewlett Packard Corp., and the "Packrats" own experts on solid state technology for the higher bands, Dave Mascaro, WA3JUF, and Bill Olson, W3HQT. Al presented a method for rapid design of filters and amplifiers by computer, discussed some programs, and showed examples of several units built with this approach. Al also mentioned the computer programs he has written and offered copies to anyone interested. Mike gave an in-depth tutorial on the aspects of noise figure measurement, which may in fact have been too deep for many of the gang. It did however, provide much needed information to those who are serious about weak signal operation.

Dave and Bill gave their usual interesting and informative talk on solid state amplifiers and mixers, showed samples of their work, and in general provided much very interesting information. The discussion centered on the special needs of the new 902 Mhz band which is just around the bend.

The technical session was topped off by a cocktail and social session in the hospitality suite, and a buffett dinner of fine food served by the Warrington Motor Lodge Restaurant.

Following the banquet, a large crowd gathered back at the club suite where video tapes of Oscar and space communications from ARRL were shown by Bill Tynan, followed by a slide series of the VHF setup by W2SZ on Mt. Greylock for a VHF contest. A fine time, lasting almost till the wee hours, was had by all.

* * *

VISITORS - OCTOBER 20, 1983 MEETING

KA2NYF - Janet - Deptford, N.J.	KA2CQX - Janice - Moorestown, N.J.
KA2JKI - John - Toms River, N.J.	WB2UVB - Gene - Moorestown, N.J.
WB2GEZ - Marty - Wrightstown, N.J.	N3AOG - Dick - Hatboro, Pa.

VOTED TO MEMBERSHIP

N2SB - Robert M. Cook
294 W. 2nd St., Apt. 6
Moorestown, N.J. 08057
609-694-3444(Day) 609-234-3041 (night)

APPLICATIONS FOR MEMBERSHIP

KA2JKI - John C. Grove 917 Bay Ridge Avenue Toms River, N.J. 08753	WB2GEZ - Martin Hackett RD #2, P.O. Box 56 Wrightstown, N.J. 08562 609-758-8865
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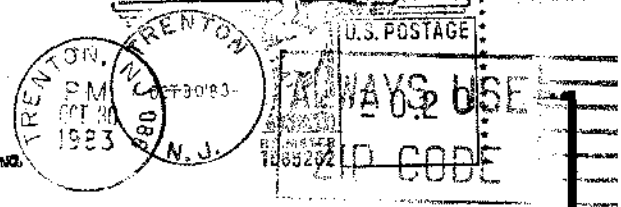
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